

# PDR RID Report

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**Document** Integration and Test

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<b>Review</b>	SDPS	
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**Section** NA

**Page** SK-7

**Figure Table** NA

**Category Name** I&T

**Actionee** HAIS

**Sub Category**

**Subject** Integration of Incremental and Formal Track Builds

## **Description of Problem or Suggestion:**

The incremental and formal development tracks appear independent until actual integration of 'builds'. This complicates the integration process and poses an increased risk of failure during I&T.

## **Originator's Recommendation**

Identify the coordination process used during development to facilitate smooth integration and test of formal and informal 'builds'.

## **GSFC Response by:**

## **GSFC Response Date**

**HAIS Response by:** Eisesnstein

## **HAIS Schedule**

**HAIS R. E.** D. O'Neill

**HAIS Response Date** 5/22/95

All "threads" and "builds" in Table 6-1 of the Release and Development Plan (DID 307/329) are part of the formal I&T process. Components integrated in these "threads" and "builds" include both incremental and formal development track components as appropriate to verify the L4 requirements and segment functionality.

Close coordination, strong interface definition/control, and risk management techniques are used throughout the development process to reduce the integration risk associated with incremental components. The following three techniques are specifically applied to facilitate smooth integration:

- 1) there is a common requirements database for managing formal and incremental requirements.
- 2) any interface which connects an incremental component to a formal component is formally controlled, i.e., in the CDRL documentation and reviewed at PDR/CDR.
- 3) common integration process (as described above) based on the thread/build methodology.

These three techniques are described in more detail in the System Engineering Plan for the ECS Project (194-201-SE1-001).

**Status** Closed

**Date Closed** 6/8/95

**Sponsor** Marinelli

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**Attachment if any**

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